**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>
**Sent:** Wednesday, May 29, 2019 3:00 PM
**To:** Joe Heublein - NOAA Federal; Ellrott, Brian
**Subject:** Stan/SJR update in SR and SH I&S sections

Changes described below completed. I added in the Lower SJR habitat row at the TOP of the San Joaquin River effects as had a "High (once project is completed)" magnitude. Note that this "high" effect is conditional on project completion; I note in the weight of evidence column that timing of project is uncertain.

Not sure it changes anything in your write-up, but the Predation rows I deleted DID have a "high" designation (but predation mortality covered in the "Medium to High" effects in the rearing habitat rows still in the table).

On Wed, May 29, 2019 at 1:29 PM Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov> wrote:

> I plan to make the following changes in the I&S docs for consistency (predation row removal) and effects section changes (Lower SJR habitat needs to be added as programmatic). Will chat Joe and Brian when I'm done. I will also go into the Stan/SJR section to remove the predation rows from the effects tables there.
>
> SR I&S:
>
> - Will remove "predation" effects row in East Side Division (predation effects mediated by habitat and already mentioned as a response in the "rearing habitat" row; already removed from SJR section after discussion with Brian).
> - Will add "beneficial" row for Lower SJR Habitat since has shifted from "not reasonably certain to occur" (and thus not in the table at all) to programmatic/framework-level. Will be same as for SH row except for lifestage timing.
>
> SH I&S:
>
> - Will remove "predation" effects row in East Side Division and SJR section (predation effects mediated by habitat and already mentioned as a response in the "rearing habitat" row; for consistency with SR approach).
> - Will add "beneficial" row for Lower SJR Habitat since has shifted from "not reasonably certain to occur" (and thus not in the table at all) to programmatic/framework-level. No construction effects included because absolutely no project design info provided.
> -

| or/Benefit | Life Stage/ Location | Life Stage Timing | Individual Response and Rationale of Effect | Severity of Stressor/Level of Benefit | Proportion of Population Exposed | Frequency of Exposure | Magnitude of Effect | Weight of Evidence | Probable Change in Fitness |
|---|---|---|---|---|---|---|---|---|---|
| odplain abitat | Juvenile rearing and migration | Dec-May for rearing; Feb-June for migration | Increased food supply; increased growth rates; refuge from predation; larger size at time of emigration | Beneficial:High | Medium (likely medium exposure once completed, depending on project design) | Medium (likely medium frequency of exposure once completed, depending on project design) | High (applicable only if project completed) | High (for beneficial effects of floodplain habitat); Low (for likelihood will be completed by 2030 given complexity of project) | Increased survival, increased growth |

On Wed, May 29, 2019 at 9:07 AM Joe Heublein - NOAA Federal <joe.heublein@noaa.gov> wrote:

Hi Team,

Brian and I are trying to finalize these for peer review clearance today and have a quick question for division leads-

Will any of your recent effects section edits require significant changes to the results of the I&S stressor tables?

Significant changes- downgrading high magnitude stressors to low/moderate or upgrading low/moderate magnitude stressors to high

Here are the most recent versions of the I&S sections if you want to quickly review of the tables-

2.8 Integration and Synthesis winter-run V5
2.8 Integration and Synthesis spring-run V5
2.8 Integration and Synthesis SH V4 srb

2.8 Integration and Synthesis GS V6 srb

Please let us know as soon as possible

Thanks

Joe
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